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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,307	09/18/2003	Bassil I. Dahiyat	A-67229-13	6927
759	7590 09/22/2006		EXAMINER	
Dorsey & Whitney LLP			DEJONG, ERIC S	
Intellectual Propert Department			ADTIBUT	DADED MUMDED
555 California Street, Suite 1000			ART UNIT	PAPER NUMBER
San Francisco, CA 94104-1513			1631	
·			DATE MAILED: 09/22/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/665,307	DAHIYAT ET AL.
Office Action Summary	Examiner	Art Unit
	Eric S. DeJong	1631
The MAILING DATE of this communication appeared for Reply		
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNATE	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
1)	is action is non-final. ance except for formal mat	• •
Disposition of Claims		
 4) Claim(s) 1-5 and 7-26 is/are pending in the adaptation 4a) Of the above claim(s) is/are withdrays. 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 7-26 is/are rejected. 7) Claim(s) 2-5 is/are objected to. 8) Claim(s) are subject to restriction and/ 	awn from consideration.	
Application Papers	·	
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) accompanies and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the second seco	ccepted or b) objected to e drawing(s) be held in abeya ction is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures * See the attached detailed Office action for a list	nts have been received. Ints have been received in A Ints ority documents have beer Ints au (PCT Rule 17.2(a)).	Application No received in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 06/15/2006.	Paper No	Summary (PTO-413) s)/Mail Date Informal Patent Application

Application/Control Number: 10/665,307

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DETAILED OFFICE ACTION

The for the purposes of examination, the claimed term of "the coordinates of said target protein" is interpreted as a set of coordinates derived from, and therefore usable to reproduce, the known structure of the target protein.

Claim Objections

Claims 2-5 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. In the instant case, step d of claim 1 is drawn to combining a plurality of amino acid residues from a probability distribution to generate a secondary library of secondary sequence, and as such does not involve any nucleic acid sequence. Claims 2-5 expand the scope of claim 1, from which claims 2-5 depend, to include the process steps of generating a set of oligonucleotide probes and using said probes in a polymerase chain reaction to generate a plurality of oligonucleotide sequences. As such, claims 2-5 introduce subject matter, drawn to the generation of oligonucleotide sequences, which is outside of the scope of subject matter as recited in claim 1. Applicant is required to cancel the claims, or amend the claims to place the claims in proper dependent form, or rewrite the claims in independent form. Accordingly, claims 2-5 have not been further treated on their merits.

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Claim Rejections - 35 USC § 101

Claims 1 and 7-26 are drawn to a process for generating a secondary library of protein sequences. A statutory process must include a step of a physical transformation, or produce a useful, concrete, and tangible result (State Street Bank & Trust Co. v. Signature Financial Group Inc. CAFC 47 USPQ2d 1596 (1998), AT&T Corp. v. Excel Communications Inc. (CAFC 50 USPQ2d 1447 (1999)). In the instant claims, there is no step of physical transformation, thus the Examiner must determine if the instant claims include a useful, concrete, and tangible result.

In determining if the claimed subject matter produces a useful, concrete, and tangible result, the Examiner must determine each standard individually. For a claim to be "useful," the claim must produce a result that is specific, and substantial. For a claim to be "concrete," the process must have a result that is reproducible. For a claim to be "tangible," the process must produce a real world result. Furthermore, the claim must be limited only to statutory embodiments.

Claims 1 and 7-26 do not produce a tangible result. A tangible result requires that the claim must set forth a practical application to produce a real-world result. This rejection could be overcome by amendment of the claims to recite that a result of the method is outputted to a display or a readily accessible memory or other computer on a network, or by including a physical transformation.

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Claim Rejections - 35 USC § 112

The rejection of claims 1 and 7-25 under 35 U.S.C. 112, second paragraph, as being indefinite is withdrawn in view of arguments presented by applicants.

Response to Arguments

Applicant's arguments with respect to claims 1 and 7-26 have been considered but are most in view of the new grounds of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric S. DeJong whose telephone number is (571) 272-6099. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Wang can be reached on (571) 272-0811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EDJ (D)

JOHN S. BRUSCA, PH.D PRIMARY EXAMINER